10024574440 From: Caroline Schuyler



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PATENT ASSIGNMENT

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Error in spelling of assignor's name, previously recorded on Reel 028798 Frame 0468. Assignor(s) hereby confirms the sale, assignment, transferrence and conveyance unto said Assignee of the entire right, title and interest.

CONVEYING PARTY DATA

	Execution Date
John Cronan Eble	08/20/2010

RECEIVING PARTY DATA

Name:	Rambus Inc.
Street Address:	1050 Enterprise Way, Suite 700
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94089

PROPERTY NUMBERS Total: 1

Property Type	Number
	12809000

Page 31 of 32

To:

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USPTO. EPAS. Receipt

Page 2 of 2

CORRESPONDENCE DATA

Fax Number: 4088773828 **Phone:** 4086556375

Email: mare@schuylerlawgroup.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Marc Schuyler
Address Line 1: PO Box 2535

Address Line 4: Saratoga, CALIFORNIA 95070

ATTORNEY DOCKET

NUMBER:

2012055 / RA584PCTUS

NAME OF SUBMITTER:

Marc P. Schuyler, Reg. No. 35675

Signature:

/Marc P. Schuyler/

Date:

08/20/2012

Total Attachments: 2

source=receipt-AssignRecord2-RA584PCTUS#page1.tif source=receipt-AssignRecord2-RA584PCTUS#page2.tif

RECEIPT INFORMATION

EPAS ID: Receipt Date: PAT2068524 08/20/2012

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http://epas.uspto.gov/com/receipt.jsp?iname=XABC8HT4Z1UC-77427 REEL: 028848 FRAME: 0051

	State of)	
	County of)	
WooPoung Kim	On, before me,, personally appeared WooPoung Kim, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in		
Date	his/her/their authorized cap signature(s) on the instrume	eacity(ies), and that by his/her/their ent the person(s), or the entity upon acted, executed the instrument.	
	-	OF PERJURY under the laws of the regoing paragraph is true and correct.	
	WITNESS my hand and offi	cial seal.	
	(Signature of Notary Public)	(Signature of Notary Public)	
	State of))	
T. J. M. 171	County of)	
Jade M. Kizer Date	person(s) whose name(s) is/a and acknowledged to me the his/her/their authorized cap		
	<u>-</u>) acted, executed the instrument.	
		OF PERJURY under the laws of the regoing paragraph is true and correct.	
	WITNESS my hand and office	cial seal.	
	(Signature of Notary Public)		

	State of)
	County of)
Brian S. Leibowitz	On, before personally appeared B	rian S. Leibowitz,
	person(s) whose name(the basis of satisfactory evidence to be the (s) is/are subscribed to the within instrument me that he/she/they executed the same in
Date	his/her/their authorize signature(s) on the ins	ed capacity(ies), and that by his/her/their strument the person(s), or the entity upon rson(s) acted, executed the instrument.
		LTY OF PERJURY under the laws of the the foregoing paragraph is true and correct.
	WITNESS my hand ar	nd official seal.
	(Signature of Notary P	rublic)
	State of)
	County of)
Lei Luo	personally appeared La	e me,, ei Luo, the basis of satisfactory evidence to be the
	person(s) whose name(s) is/are subscribed to the within instrument me that he/she/they executed the same in
Date	his/her/their authorize signature(s) on the ins	d capacity(ies), and that by his/her/their strument the person(s), or the entity upon rson(s) acted, executed the instrument.
		LTY OF PERJURY under the laws of the the foregoing paragraph is true and correct.
	WITNESS my hand an	d official seal.
	(Signature of Notary P	ublic)

	State of)
	County of)
John Cronan Eble	On, before me,	
Date	his/her/their authorized ca signature(s) on the instrum	apacity(ies), and that by his/her/their ment the person(s), or the entity upon (s) acted, executed the instrument.
	· ·	OF PERJURY under the laws of the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.	
	(Signature of Notary Public	2)

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Kyung Suk Oh 10219 Palo Vista Road, Cupertino, CA 95014 John Wilson 7620 Elliott Drive, Raleigh, NC 27613 Frederick A. Ware 13961 Fremont Pines Lane, Los Altos Hills, CA 94022 WooPoung Kim 2325 Eldger Drive, Plano, TX 75025 8491 Sand Dollar Drive, Windsor, CO 80528 Jade M. Kizer 425 14th Street #4, San Francisco, CA 94013 Brian S. Leibowitz 1048 Bellenden Drive, Durham, NC 27713 Lei Luo John Cronan Eble 205 Wild Turkey Trail, Chapel Hill, NC 27516

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

ASYMMETRIC COMMUNICATION ON SHARED LINKS

invention	ve executed a declaration or oath for an application for a United States patent disclosing and identifying the on:
_	On the, 20;
	Or
<u>X</u>	Said application having Application Number 12/809,000 and filed on 17 June 2010; and

WHEREAS, <u>RAMBUS INC.</u> a corporation of the State of <u>Delaware</u>, having a place of business at 4440 El Camino Real, Los Altos, CA 94022, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed;

- (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

	State of)
	County of)
Kyung Suk Oh	On, before me,	
Date	signature(s) on the instrum	ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the pregoing paragraph is true and correct.
	WITNESS my hand and off	icial seal.
	(Signature of Notary Public)

	State of)		
	County of)		
John Wilson	On, before me,, personally appeared John Wilson, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in		
Date	his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
	I certify under PENALTY OF PERAJRY under the laws of the State of California that the foregoing paragraph is true and correct.		
	WITNESS my hand and official seal.		
	(Signature of Notary Public)		
LOQLA	State of CALIFORNICE) County of SALLER CCARA)		
Freericka/Ware	On 7-1-2019 before me, Deschip L. Lectur, Northern Relation personally appeared Frederick A. Ware, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument		
Date	and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
DOROTHY L. LEVIN	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
Commission # 1835908 Notary Public - California Banta Clara County	WITNESS my hand and official seal.		
My Gomm. Expires Mar 10, 2013	(Signature of Notary Public)		

Day Mr	State of TX County of Dallas
WooPoung Kim	On July 14,2018 before me, Ahple Taray
01/19/2010 Date	personally appeared <u>WooPoung Kim</u> , who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
AHPLE TARDY Notary Public, State of Texas My Commission Exp. 01-05-2013	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.
	(Signature of Notary Public) State of) County of)
Jade M. Kizer	On, before me,, personally appeared <u>Jade M. Kizer</u> , who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
Date	his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
	(Signature of Notary Public)

	State of)
	County of)
Brian S. Leibowitz	On, before me,, personally appeared Brian S. Leibowitz, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in	
Date	signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the oregoing paragraph is true and correct.
	WITNESS my hand and off	ĭcial seal.
	(Signature of Notary Public)
	State of))
	County of)
Lei Luo	On, before me,, personally appeared <u>Lei Luo</u> , who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in	
Date	his/her/their authorized car signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the oregoing paragraph is true and correct.
	WITNESS my hand and off	ĭcial seal.
	(Signature of Notary Public)

	State of)
	County of)
John Cronan Eble	person(s) whose name(s) is/	
Date	his/her/their authorized cap signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the oregoing paragraph is true and correct.
	WITNESS my hand and off	ficial seal.
	(Signature of Notary Public)

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

10219 Palo Vista Road, Cupertino, CA 95014 Kyung Suk Oh John Wilson 7620 Elliott Drive, Raleigh, NC 27613 Frederick A. Ware 13961 Fremont Pines Lane, Los Altos Hills, CA 94022 2325 Eldger Drive, Plano, TX 75025 WooPoung Kim 8491 Sand Dollar Drive, Windsor, CO 80528 Jade M. Kizer 425 14th Street #4, San Francisco, CA 94013 Brian S. Leibowitz 1048 Bellenden Drive, Durham, NC 27713 Lei Luo 205 Wild Turkey Trail, Chapel Hill, NC 27516 John Cronan Eble

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

ASYMMETRIC COMMUNICATION ON SHARED LINKS

and ha	ive executed a declaration or oath for an application for a ion:	United States pater	nt disclosing and id	entifying the
	On the day of,	20;		
	Or			
X	Said application having Application Number 12/809,0	00 and filed on	17 June 2010	; and

WHEREAS, <u>RAMBUS INC.</u> a corporation of the State of <u>Delaware</u>, having a place of business at 4440 El Camino Real, Los Altos, CA 94022, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed;

- (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

	State of)
	County of)
Kyung Suk Oh	person(s) whose name(s) is/a and acknowledged to me th	
Date	signature(s) on the instrume	ent the person(s), or the entity upon) acted, executed the instrument.
	•	OF PERJURY under the laws of the regoing paragraph is true and correct.
	WITNESS my hand and offi	cial seal.
	(Cimple of New Day)	
	(Signature of Notary Public)	

	State of)
	County of)
John Wilson	On	
Date	signature(s) on the instrume	nt the person(s), or the entity upon acted, executed the instrument.
		OF PERJURY under the laws of the regoing paragraph is true and correct.
	WITNESS my hand and office	cial seal.
	(Signature of Notary Public)	
	State of)
	County of)
Frederick A. Ware	person(s) whose name(s) is/ar	
Date	signature(s) on the instrumen	acity(ies), and that by his/her/their on the person(s), or the entity upon acted, executed the instrument.
		OF PERJURY under the laws of the regoing paragraph is true and correct.
	WITNESS my hand and office	cial seal.
	(Signature of Notary Public)	

	State of)
	County of)
WooPoung Kim	person(s) whose name(s) is/ar	ng Kim, is of satisfactory evidence to be the e subscribed to the within instrument at he/she/they executed the same in
Date	signature(s) on the instrumen	acity(ies), and that by his/her/their that the person(s), or the entity upon acted, executed the instrument.
		F PERJURY under the laws of the egoing paragraph is true and correct.
	WITNESS my hand and office	ial seal.
	(Signature of Notary Public)	, <u>, , , , , , , , , , , , , , , , , , </u>
an and	State of)
al Mys:	County of)
Jade M. Kizer	On, before me, personally appeared <u>Jade M. I</u>	Cizer
July ZZ, 2010 Date	who proved to me on the bas person(s) whose name(s) is/are and acknowledged to me tha his/her/their authorized capa signature(s) on the instrumen	is of satisfactory evidence to be the e subscribed to the within instrument t he/she/they executed the same in city(ies), and that by his/her/their at the person(s), or the entity upon acted, executed the instrument.
		F PERJURY under the laws of the egoing paragraph is true and correct.
	WITNESS my hand and offici	al seal.
	(Signature of Notary Public)	

	State of Cautonia)
Mi / / / +	County of Santa Clark
Brian S. Leibowitz	On 7-9-2010 before me, Done Hay C. Cerin, Nothing Public
7 July 2010 Date	personally appeared <u>Brian S. Leibowitz</u> , who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/shey executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
DOROTHY L. LEVIN	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Commission # 1835908 Notary Public - California	WITNESS my hand and official seal.
Santa Clara County My Comm. Expires Mar 10, 2013	(Signature of Notary Public)
	State of)
	County of)
Lei Luo	On, before me,, personally appeared Lei Luo,
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/arc subscribed to the within instrument
Date	and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their
	signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
	(Signature of Notary Public)

5

	State of)
	County of)
John Cronan Eble	person(s) whose name(s) is/	
Date	his/her/their authorized cap signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
	•	OF PERJURY under the laws of the pregoing paragraph is true and correct.
	WITNESS my hand and off	icial seal.
	(Signature of Notary Public)

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Kyung Suk Oh 10219 Palo Vista Road, Cupertino, CA 95014 John Wilson 7620 Elliott Drive, Raleigh, NC 27613 Frederick A. Ware 13961 Fremont Pines Lane, Los Altos Hills, CA 94022 2325 Eldger Drive, Plano, TX 75025 WooPoung Kim 8491 Sand Dollar Drive, Windsor, CO 80528 Jade M. Kizer 425 14th Street #4, San Francisco, CA 94013 Brian S. Leibowitz 1048 Bellenden Drive, Durham, NC 27713 Lei Luo John Cronan Eble 205 Wild Turkey Trail, Chapel Hill, NC 27516

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

ASYMMETRIC COMMUNICATION ON SHARED LINKS

and hav	ve executed a declaration or oath for an application for a United States patent disclosing and identifying the on:
	On the day of
	Or
X	Said application having Application Number 12/809,000 and filed on 17 June 2010 ; and

WHEREAS, <u>RAMBUS INC.</u> a corporation of the State of <u>Delaware</u>, having a place of business at 4440 El Camino Real, Los Altos, CA 94022, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed;

- (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

	State of)
	County of)
Kyung Suk Oh	person(s) whose name(s) is/ar and acknowledged to me tha	*
Date	signature(s) on the instrumer	nt the person(s), or the entity upor acted, executed the instrument.
	<u></u>	OF PERJURY under the laws of the egoing paragraph is true and correct
	WITNESS my hand and office	cial seal.
	(Compting of Notes: Diblic)	
	(Signature of Notary Public)	

	State of)
	County of	,
John Wilson	On, before me,, personally appeared John Wilson, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their	
Date	signature(s) on the instrume	ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the regoing paragraph is true and correct.
	WITNESS my hand and offi	icial seal.
	(Signature of Notary Public)	,
	State of)
C I I. I. A. XXI	County of)
Frederick A. Ware	person(s) whose name(s) is/a and acknowledged to me th his/her/their authorized cap	ck A. Ware, sis of satisfactory evidence to be the are subscribed to the within instrument at he/she/they executed the same in acity(ies), and that by his/her/their
	• • • • • • • • • • • • • • • • • • • •	ent the person(s), or the entity upon acted, executed the instrument.
	• • • • • • • • • • • • • • • • • • •	OF PERJURY under the laws of the regoing paragraph is true and correct.
	WITNESS my hand and offi	cial seal.
	(Signature of Notary Public)	

	State of)
	County of)
WooPoung Kim	On, before me,	
Date	his/her/their authorized cap signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
	-	OF PERJURY under the laws of the oregoing paragraph is true and correct.
	WITNESS my hand and off	ñcial seal.
	(Signature of Notary Public)
	State of))
	County of)
Jade M. Kizer	On, before me,, personally appeared Jade M. Kizer, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in	
Date	signature(s) on the instrum	pacity(ies), and that by his/her/their ent the person(s), or the entity upon s) acted, executed the instrument.
		OF PERJURY under the laws of the pregoing paragraph is true and correct.
	WITNESS my hand and off	icial seal.
	(Signature of Notary Public)

	State of	}
	County of	Ś
Brian S. Leibowitz Date	person(s) whose name(s) is/arc and acknowledged to me tha his/her/their authorized capa signature(s) on the instrumen	is of satisfactory evidence to be the e subscribed to the within instrument the/she/they executed the same in city(ies), and that by his/her/their at the person(s), or the entity upon
		acted, executed the instrument.
	I certify under PENALTY O State of California that the for	F PERJURY under the laws of the egoing paragraph is true and correct.
	WITNESS my hand and offic	ial senl.
	(Signature of Notary Public)	
	State of)
1 ps hw	County of)
Lei Luo	person(s) whose name(s) is/ar and acknowledged to me the his/her/their authorized caps signature(s) on the instrume	sis of satisfactory evidence to be the re subscribed to the within instrument at he/she/they executed the same in acity(ies), and that by his/her/their nt the person(s), or the entity upon acted, executed the instrument.
	I certify under PENALTY C State of California that the for	OF PERJURY under the laws of the regoing paragraph is true and correct
	WITNESS my hand and office	cial seal.
	(Signature of Notary Public)	

State of NOV Hicarolina

County of Orderige

CHERYL D GALLAND
NOTARY PUBLIC
ORANGE COUNTY, NC
My Commission Expires 6-20-2015

ohn Zronan Eble

Juto

on 8 20 10, before me, Cheval D Excluded personally appeared John Cronan Eble,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official scal.

Thenk file

	State of	?
11/1/1	County of)
John Wilson Sir by 19, 2010 Date	person(s) whose name(s) is/s and acknowledged to me the his/her/their authorized cap signature(s) on the instrume	
	I certify under PENALTY	OF PERJURY under the laws of the pregoing paragraph is true and correct.
	WITNESS my hand and offi	
	(Signature of Notary Public))
	State of)
	County of	ý
Frederick A. Ware Date	On, before me,	
		OF PERJURY under the laws of the pregoing paragraph is true and correct.
	WITNESS my hand and offi	icìal seal.
	(Signature of Notary Public)	

To

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Phone: 4086556375 Email: marc@schuylerlawgroup.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Marc Schuyler Address Line 1: PO Box 2535 Saratoga, CALIFORNIA 95070 Address Line 4: ATTORNEY DOCKET 2012033 / RA584PCTUS NUMBER: NAME OF SUBMITTER: Marc Schuyler, Reg. No. 35675 /Marc Schuyler/ Signature:

08/16/2012

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John Cronan Elbe	08/20/2010

RECEIVING PARTY DATA

Name:	Rambus Inc.
Street Address:	1050 Enterprise Way, Suite 700
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94089

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12809000

CORRESPONDENCE DATA

Fax Number: 4088773828